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Substitute Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

of

Complete if Known

Application Number	10/667,893
Filing Date	September 23, 2003
First Named Inventor	Redmon, David T.
Art Unit	1724
Examiner Name	Chester T. Barry
Attorney Docket Number	3085-004

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Number-Kind Code ² (<i>i</i> f known)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
CTB		US- 3,872,003	03-18-1975	Walker	2/24-47; 6/4-8
		US- 5,234,596	08-10-1993	Greeb	2/36-39; 3/38-48, 59-63
		US- 5,441,642	08-15-1995	Wickens	1/40-41, 2/20-51, 4/5-42,
CTB		US- 6,036,862	03-14-2000	Stover	3/16-36, 6/15-55, 7/15-37;
		US-			8/14-67, 8/17-19/25,
CTB		US- 6,146,896	11-14-2000	Pitz	1/47-2/64, 3/3-39, 4/13-49;
		US-			6/5-62, 7/10-34,
CTB		US- 6,478,964	11-12-2002	Redmon	Eig. 13; 5/23-46
CTB		US- 4,288,394	09-08-1981	Ewing, et al.	of general interest
		US-			
		US-			Note: 2/24-47 signifies-
		US-			column 2, lines 24
		US-			through 47
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
		Country Code ² "Number ³ " Kind Code ⁴ (<i>i</i> f known)		Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
CTB		WO 01/34527 A1	05-17-2001	Stover	see US Pat 6,036,682
		EP 0732588-German text	09-18-1996	Hallas	with English abst.
		EP 0732588-translation	09-18-1996	Hallas	machine translation
CTB		DE 19509777A1-Germ. Txt.	09-19-1996	Hallas	see EP 0732588
		DE 19509777A1-Partl.Tran.	09-19-1996	Hallas	by human translator

Examiner Signature	CHESTER T. BARRY	Date Considered	10/13/05
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Attorney Docket Number	3085-004

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CTB		DE 4229550, German text	03-10-1994	Hallas	with English abst.
		DE 4229550, translation	03-10-1994	Hallas	by human translator
		JP 2000-069955, abstract	03-07-2000	Kawahara, et al.	English abst. only
CTB		JP 2000-069955, transltn.	03-07-2000	Kawahara, et al.	machine translation

**Examiner
Signature**

CHESTER T. BARRY
PRIMARY EXAMINED

Date Considered

10/05

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**INFORMATION DISCLOSURE
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Sheet

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Application Number 10/667,893

Filing Date September 23, 2003

First Named Inventor Redmon, David T.

Art Unit 1724

Examiner Name Chester T. Barry

Attorney Docket Number 3085-004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CB		WPCF ("Water Poll. Contr. Federation"), "Process Instrumentation and Control Systems", MOP ("Manual of Practice") #OM-5, 1984, pp. ii, 3-7 and 20-21, WPCF, Wash., D.C., USA	
		ARTHUR et al., "Instrumentation in Wastewater Treatment Plants", MOP #21, 1978, pp. 28-34, 74, 75, 77 and 78, WPCF Sub-committee on Instrumentation, Wash., D.C., USA	
		STAHL et al., "Energy Conservation in the Design and Operation of Wastewater Treatment Facilities", MOP #FD-2, 1982, pp. 28-33, WPCF, Wash., D.C., USA	
		WPCF+ASCE ("Amer. Soc. of Civ. Engrs."), "Aeration, A Wastewater Treatment Process", MOP # FD-13, 1988, pp.10-12, 44-45, 112, 137-140, 142 & 144-147, Wash., DC & New York, NY	
		BOYLE et al., ASCE Comm. on Oxygen Transfer, "Design Manual, Fine Pore Aeration Systems", 1989, pp. 149-156 and 167, U. S. Env. Prot. Agency, Cincinnati, OH, US	
		TANUMA et al., "Dissolved Oxygen Control Using Aeration Exhaust Gas", Water Science and Tech., Jour. art. and abst., 1981, vol. 13, no. 9, pp. 183-188, Pergamon Press, GB	
		KOENIG et al., "Effect of air recirculation on ... composting system", Proceedings, AWMA ("Air & Waste Mgmt. Assoc."), 1998, Abstract of paper, AWMA, Pittsburgh, PA, USA..	
		PELKONEN et al., "Modelling of oxygen transfer ... with off-gas method", 1989, Abstract of paper, Helsinki Univ. of Tech., Lab. of Sanitary and Env. Engg., Espoo, Finland	
		YUST et al., "Control of the specific oxygen utilisation ...", Trans. of the Inst. of Meas. and Control, 1984, Abst. of jour. art., Water Poll. Control, Burlington, Ont., CA	
CB		LIBRA, et al., "Improving aeration efficiency ... using on-line off-gas measurements", Intl. Cong. on the Process Industries, Mar. '02, poster, Mex. DF, Tech. Univ. Berlin, DE	

Examiner Signature	CHESTERT. BARRY	CB	Date Considered	10/13/05
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		Examiner Name	Chester T. Barry		
Sheet	4	of	4	Attorney Docket Number	3085-004

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
CTB		REDMON. BOYLE & EWING, "Oxygen transfer efficiency measurements in mixed liquor using off-gas techniques", WPCF Journal, Nov., '83, pp. 1338-1347, Vol. 55, No. 11, WPCF, USA			
		REDMON, "Alpha factors - measured for various types of aeration systems by off-gas analysis", publication of Redmon Engineering Company, 1998, pp. 1-13, Racine WI, USA			
		MARX, et al., "Optimizing step feed aeration design using off-gas testing", 70th Annual WEF Conf., Chicago, repub. by Earth Tech, 1997, pp. 1-9, Sheboygan, WI, USA			
		REDMON, et al., "Measuring the impact of a 3-hp blower assist on the aeration efficiency of a 50-hp aspirating aerator", TAAPI Journal, Jan. 1992, pp. 105-110, USA			
		DAUGHTERY, et al., "Aeration system retrofit design optimization procedure", Proceedings, Central States WEF Conf., reprint by the authors, 1995, pp. 1-46, Milwaukee, WI, USA			
		REDMON, et al., "Pilot studies and full scale performance evaluation of a membrane disk aeration system ... ", TAPPI Proceedings, 1992 Environmental Conference, pp. 563-577			
		REDMON, David T., professional resume, with bibliography of illustrative publications relating to off-gas testing, Redmon Engineering Company, 2005, 6 pages, Racine, WI, USA			
		ASCE ("Amer. Soc. of Civ. Engrs."), "Measurement of oxygen transfer in clean water", ANSI/ASCE Standard 2-01, approved June 1992, pp. 1-41 & index, ASCE, New York, NY, USA			
CTB		ASCE, "Standard guidelines for in-process oxygen transfer testing", ASCE Standard 18-96, 1997, cover, abstract page, pp. iii-vii, ix and x, and pp. 1-49, New York, NY, USA			

Examiner Signature	CHESTER T. BARRY	<i>CTB</i>	Date Considered	10/8/05
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